

DIAMOND & CBN - Powder and Grit

Natural & Synthetic Diamond - Micron Sizes

We PARAS DIAMOND CO. [INDUSTRIAL DIAMOND TOOLS DIVISION] are one of the leading Manufacturer & Exporters of Natural Diamond Powder offers Natural Diamond Powder with all grain Sizes. These Diamond Grains are measured with High Powered Laser Particle systems, Observed with various Micro scopes to ensure each and every particle of Diamond Grains are perfect for the application where Precision is everything for Modern technological needs.

Our range of natural diamond micron, synthetic metal bond and resin bond micron powders are available in standard and custom size ranges. Specially graded micron powder for the semi-conductor industry (ID-Saws and Wire-Saws) with or without a coating can be produced to order.

Please contact us for further information

CBN Powder

We also supply CBN [Cubic Boron Nitride] Powder. The Advantage of CBN is Better thermal stability than DIAMOND, it works fine at temperature 400 C. CBN are not Harder than DIAMOND but better thermal stability makes it Ideal & economical option of the DIAMOND for Hot Work Piece.

Natural & Synthetic Diamond - Mesh Sizes

Our Natural Diamond Powders and Synthetic Diamond Powders are available in all Mesh & Grit Sizes. We offer five different qualities as standard and also produce individually tailored grades of diamond Grits for customer specific applications. Diamond Grits suitable for all different applications can be supplied whether for mass produced tooling or high precision specialist tooling. Blocky, sharp, rounded, specially cleaned, whatever our customers need we can produce it for you.

Natural Un-processed and Round Processed Natural Diamond Grits can be made to order according to your specific requirements.

Processed Industrial Diamonds

Processed Longs / Points / Needles

Our processed longs are mostly used in blade type dressing tools and roller dressers.

Sizes range from 4 to 150 stones per carat and are available in various assortments of shape and quality. If you need a special assortment we can discuss this with you

MICRON DIAMOND CONVERSION CHART

Diamond FEPA-Standard	CBN FEPA-Standard	Diamond + CBN mesh size	Nominal mesh size in µm
D 1181 D1182 D 1001	B 1181 B 1001	16-18 16-20 18-20	1000-1180 850-1000
D 851 D 852 D 711	B 851 B 711	20-25 20-30 25-30	710-850 600-710
D 601 D 602 D 501	B 601 B 501	30-35 30-40 35-40	500-600 425-500
D 426 D 427 D 356	B 426 B 356	40-45 40-50 45-50	355-425 300-355
D 301	B 301	50-60	250-300
D 251 D 252 D 213	B 251 B 213	60-70 60-80 70-80	212-250 180-212
D 181 D 151 D 126 D 107	B 181 B 151 B 126 B 107	80-100 100-120 120-140 140-170	150-180 125-150 106-125 90-106
D 91 D 76 D 64 D 54 D 46	B 91 B 76 B 64 B 54 B 46	170-200 200-230 230-270 270-325 325-400	75-90 63-75 53-63 45-53 38-45
Micron grit sizes			
D 35 D 30 D 25 D 20 D 15 D 10 D 7 D 3 D 1	B 30 B 15		30-40 25-35 20-30 15-25 10-20 6-12 4-8 2-4 1-2

NATURAL DIAMOND GRIT SIZE CONVERSION CHART

India GB/T6406-2006		FEPA-1977		America ANSI B74.16- 1971(R1980)		Japan JIS4130 - 1982		Germany DIN848- 1988		Russia ROCT9202-80	
Grit	mesh	Grit	mesh	Grit	mesh	Grit	mesh	Grit	mesh	Grit	mesh
20/25	850/710	D851	850/710	20/30	850/600	20/30	850/600	D851	850/710	1600/1250	1600/125
25/30	710/600	D711	710/600					D711	710/600	1250/1000	1250/1000
30/35	600/500	D601	600/500	30/40	600/425	30/40	600/425	D601	600/500	1000/800	1000/800
35/40	500/425	D501	500/425					D501	500/425	800/630	800/630
40/45	425/355	D425	425/355	40/50	425/300	40/50	600/425	D426	425/355	630/500	630/500
45/50	355/300	D356	355/300					D356	355/300	500/400	500/400
50/60	300/250	D301	300/250	50/60	300/250	50/60	600/425	D301	300/250	400/315	400/315
60/70	250/212	D251	250/212	60/80	250/180	60/80	600/425	D251	250/212	315/250	315/250
70/80	212/180	D213	212/180					D213	212/180	250/200	250/200
80/100	180/150	D213	180/150	80/100	180/150	80/100	600/425	D181	180/150	200/160	200/160
100/120	150/125	D151	150/125	100/120	150/125	100/120	150/125	D151	150/125	160/125	160/125
120/140	125/106	D126	125/106	120/140	125/106	120/140	125/106	D126	125/106	125/100	125/100
140/170	106/90	D107	106/90	140/170	106/90	140/170	106/90	D107	106/90	100/80	100/80
170/200	90/75	D91	90/75	170/200	90/75	170/200	90/75	D91	90/75	80/63	80/63
200/230	75/63	D76	75/63	200/230	75/63	200/230	75/63	D76	75/63	63/50	63/50
230/270	63/53	D64	63/53	230/270	63/53	230/270	63/53	D64	63/53	50/40	50/40
270/325	53/45	D54	53/45	270/325	53/45	270/325	53/45	D54	53/45		
325/400	45/38	D46	45/38	325/400	45/38	270/325	45/38	D46	45/38		